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(54) SIGNAL MULTIPLEX METHOD AND TRANSMISSION SIGNAL GENERATOR USING IT

(57)Abstract:

PROBLEM TO BE SOLVED: To easily generate a transmission signal of a plurality of channels in which a deviation in a reference time at a receiver side is not caused.

SOLUTION: A code generating section 50 gives a reference time to STC (system time clock) sections 13a, 23a, 33a, 48 to synchronize the time of each STC section. Video and audio encoder sections 11, 12 of an MPEG coder 10a encode video and audio signals Dv1, Da1 to generate video and audio streams, a presentation time stamp(PTS) and a decoding time stamp(DTS) based on the time of the STC section 13a are added to the stream to generate PES packets. The video and audio packets are multiplexed to generate a transport stream. Encoders 20a, 30a generate the transport streams and they are multiplexed by a multiplexer 40a. A multi-channel transport stream TSm is generated by using a packetized elementary stream(PCR) based on the time of an STC section 48. Since the PCR is in synchronism with the PTS and the DTS of each channel, no reference time deviation is caused at a receiver side.

